ZEB NOLE: Good evening. My name is Zeb Nole. I'm a concerned citizen that lives here in Las Vegas, Nevada. Not an expert in any way. I'm going to speak about this opportunity to speak. I really appreciate it, thank the Department of Energy and everyone that's here tonight.

Looking online, you know, I'm just an average citizen who's concerned about the storage of this material and its potential to be used in a positive way instead of all these negative scenarios that could happen in this transportation or storage. Looking online, learning about this spent nuclear fuel rods, I encountered an energy citations database that's available online through the Department of Energy and the office -- it's the OSTI.

They have a database that has a listing of all the different inventions and advances that have been made by the Department of Energy. One of these patents that was listed online was a device for converting the nuclear waste into electricity. Instead of it being something to be buried and forgotten about, could actually be used similar to like a battery material.

Patent describes a device that comprises within the cask a plurality of holders that can hold the radioactive waste surrounded by tubes of phosphorus material that would then convert the radiation to electricity surrounded by photo cells similar to your solar panel photovoltaic that would be able to absorb

the light radiation from this material.

I'm not a scientist, just looking online, this is available for anyone to view on their Website. This is one of thousands of different patents that have been invented and created by the Department of Energy that could possibly be a solution where no transportation.

This Environmental Impact Statement about the rail and the repository would not be necessary. It could actually be stored safely it sounds where it's being produced and be used by the industry to be sold on the open market as electricity.

Nuclear fission as we know it is very destructive. We're bombarding material to generate electricity. I'm sure there must be an infinite number of other possibilities of using nuclear energy besides fission. It could be much safer and produce a lot more electricity.

In this state we have a tremendous -- as we're talking about volcanic possibilities and unstable environment underground at Yucca Mountain, there is a tremendous amount of heat from -- from this geothermal activity which could also be used to produce electricity.

We use nuclear fission to produce heat, which boils water, which then, you know, spins a turbine to produce electricity. You could use the heat within the earth. There's a tremendous amount of heat within the earth.

These are just a few possible solutions to

this problem. We've already generated -- I mean, what, just within the civilian radioactive waste material, there's over 70,000 metric tons of this material. Using just this one patent -- I'd like to offer this as an exhibit as well.

There's a tremendous amount of knowledge within the Department of Energy to solve these problems. It's just whether or not it's going to be the most cost-effective way to deal with this waste. The wastes have been produced. There's nothing we can do about it at this point, but now find solutions to use it in a positive way. I just -- I thank you guys again, everybody here for the opportunity to speak. Good evening.